

ANTIMICROBIAL COMPOSITION**Publication number:** JP2268104 (A)**Publication date:** 1990-11-01**Inventor(s):** MIZUKAMI YOSHIKATSU; TAMEMASA HIROSHI +**Applicant(s):** KANEBO LTD; TANAKA PRECIOUS METAL IND +**Classification:**

- International: **A61K9/14; A01N25/08; A61K33/00; A61K33/34; A61K33/38; A61K47/02; A61K47/04; A61P31/04; A61K9/14; A01N25/08; A61K33/00; A61K33/34; A61K33/38; A61K47/02; A61P31/00; (IPC1-7): A01N25/08; A61K9/14; A61K33/00; A61K33/34; A61K33/38; A61K47/02; A61K47/04**

- European:**Application number:** JP19890087002 19890407**Priority number(s):** JP19890087002 19890407**Abstract of JP 2268104 (A)**

PURPOSE: To obtain the subject composition having improved processability in production of antimicrobial product and antimicrobial property with small specific gravity as a whole and large surface area of metal having antimicrobial action by adhering the metal onto the surface of fine particle of water insoluble inorganic oxide. **CONSTITUTION:** Fine particles of water-insoluble inorganic oxide preferably having $\leq 1 \mu\text{m}$ averaged particle diameter, e.g. zeolite, diatom earth, mica, kaolin, alumina, talc, silica gel simple substance or mixture of same substances are used as carriers. Metal having antimicrobial properties, preferably silver and/or copper is adhered on the surface of said carrier having small specific gravity in an amount of $\geq 1 \text{wt.}\%$ to said carrier, and respectively $\geq 0.5 \text{wt.}\%$ in a case of using the both of silver and copper as the metal to reduce specific gravity. Said substance is added to fiber product, etc., in production of same product to suppress or inhibit deviated dispersing by sedimentation in producing antimicrobial product and to make easy to handle, and simultaneously make ionization easy by enlarging the surface area of said metal to afford antimicrobial composition having exceedingly improved antimicrobial properties in lower cost than conventional product.

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